

SELF STUDY WORKSHEET

Name _____

2.1 Properties of Real Numbers

(Textbook Pages: Pages 87)

- A) Complete the equation to illustrate the following Properties of Real Numbers.
 B) **Describe** the property with key words or phrases. **DO NOT** copy the definitions (p. 11) from the book.

1A) Closure + } $4 + 6 = 10$ 10 is a real number
 Closure x } $4 \cdot 6 = 24$ 24 is a real number

B) *When real numbers are added or multiplied the answer is still a real number.*

2A) Commutative + } $2 + 4 + 6 =$ _____
 Commutative x } $(2)(4)(6) =$ _____

B)

3A) Associative + } $2 + (4 + 6) =$ _____
 Associative x } $2 \cdot (4 \cdot 6) =$ _____

B)

4A) Identity + $4 + \underline{\hspace{1cm}} = 4$

B)

5A) Identity x $4 \cdot \underline{\hspace{1cm}} = 4$

B)

6A) Inverse + $7 + \underline{\hspace{1cm}} = 0$

B)

7A) Inverse x $7 \cdot \underline{\hspace{1cm}} = 1$

B)

8A) Distributive $2 \cdot (4 + 6) =$ _____
 (x over +)

B)